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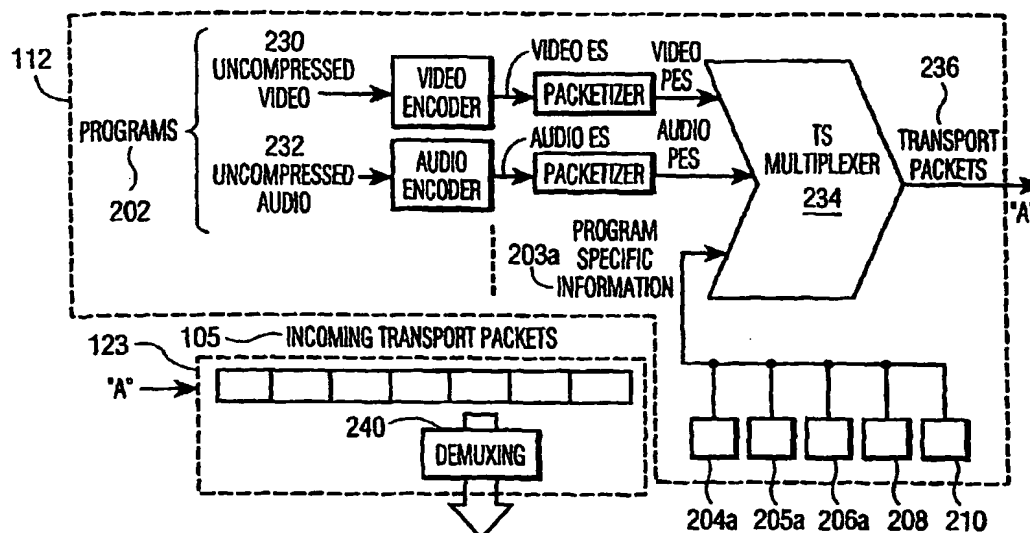
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[Continued on next page]

(54) Title: A METHOD AND AN APPARATUS FOR MAPPING AN MPEG TRANSPORT STREAM INTO IP PACKETS FOR WLAN BROADCAST



(57) Abstract: A method for mapping from an MPEG-2 transport stream to an IP-based RTP/UDP/IP stack for broadcasting service in a WLAN. All the mapping functions may be performed in a receiver transcoder (Fig. 2). Mobile devices such as laptop computers, cell phones and PDAs have limited battery power, CPU processing and memory resources. To reduce CPU processing power and consumption battery power in these devices certain data processing functions are achieved in the communicating systems, such as the de-multiplexer function (240) that typically prepares an MPEG-2 for retransmission at the local level. When a transcoder, capable of de-multiplexing an MPEG-2 transport stream (105) receives a program it de-multiplexes the stream based on PIDs (204) assigned to each transport packet. This de-multiplexing function extracts several components from a transport stream: video and audio PES/ES (112, 212) associated with programs and PSI (203) (PAT (204, 251) and PMTs (206, 258)).



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US CL : 370/395.52,395.64,432,466

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,590,902 B1 (SUZUKI et al) 08 July 2003 (08.07.2003), see entire reference.	1-17
Y, P	US 2003/0118322 A1 (KIM) 26 June 2003 (26.06.2003), see entire reference.	1-17
Y	US 2002/0003799 A1 (TOMITA) 10 January 2002 (10.01.2002), see entire reference.	1-17
Y	US 6,172,988 B1 (TIERNAN et al) 09 January 2001, see entire reference.	1-17

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